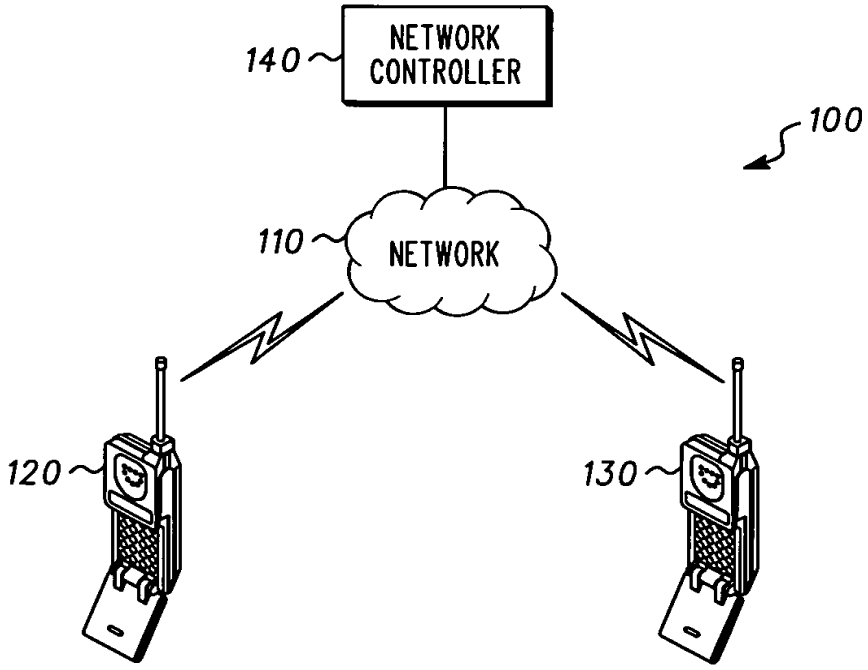
140
NETWORK CONTROLLER
100
110
NETWORK
120
130

FIG. 1

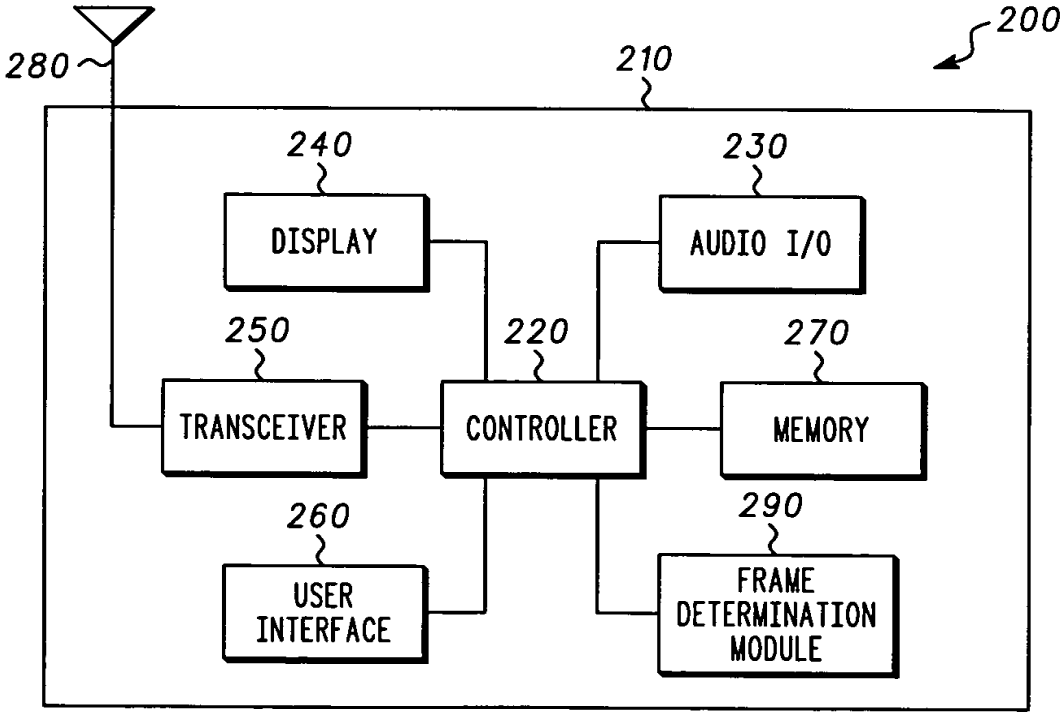
280
210
200
240
DISPLAY
230
AUDIO I/O
250
TRANSCEIVER
220
CONTROLLER
270
MEMORY
260
USER INTERFACE
290
FRAME DETERMINATION MODULE

FIG. 2

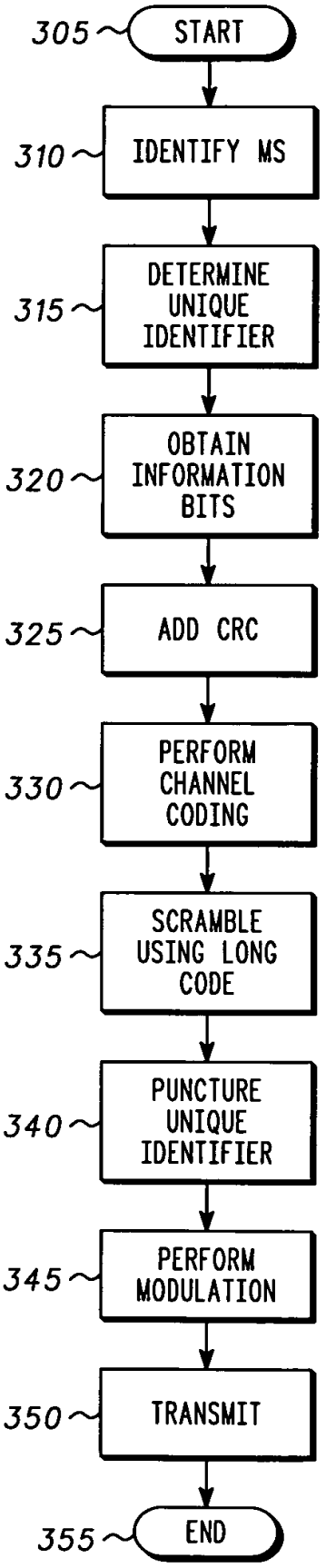
305
START
310
IDENTIFY MS
315
DETERMINE UNIQUE IDENTIFIER
320
OBTAIN INFORMATION BITS
325
ADD CRC
330
PERFORM CHANNEL CODING
335
SCRAMBLE USING LONG CODE
340
PUNCTURE UNIQUE IDENTIFIER
345
PERFORM MODULATION
350
TRANSMIT
355
END
300

FIG. 3

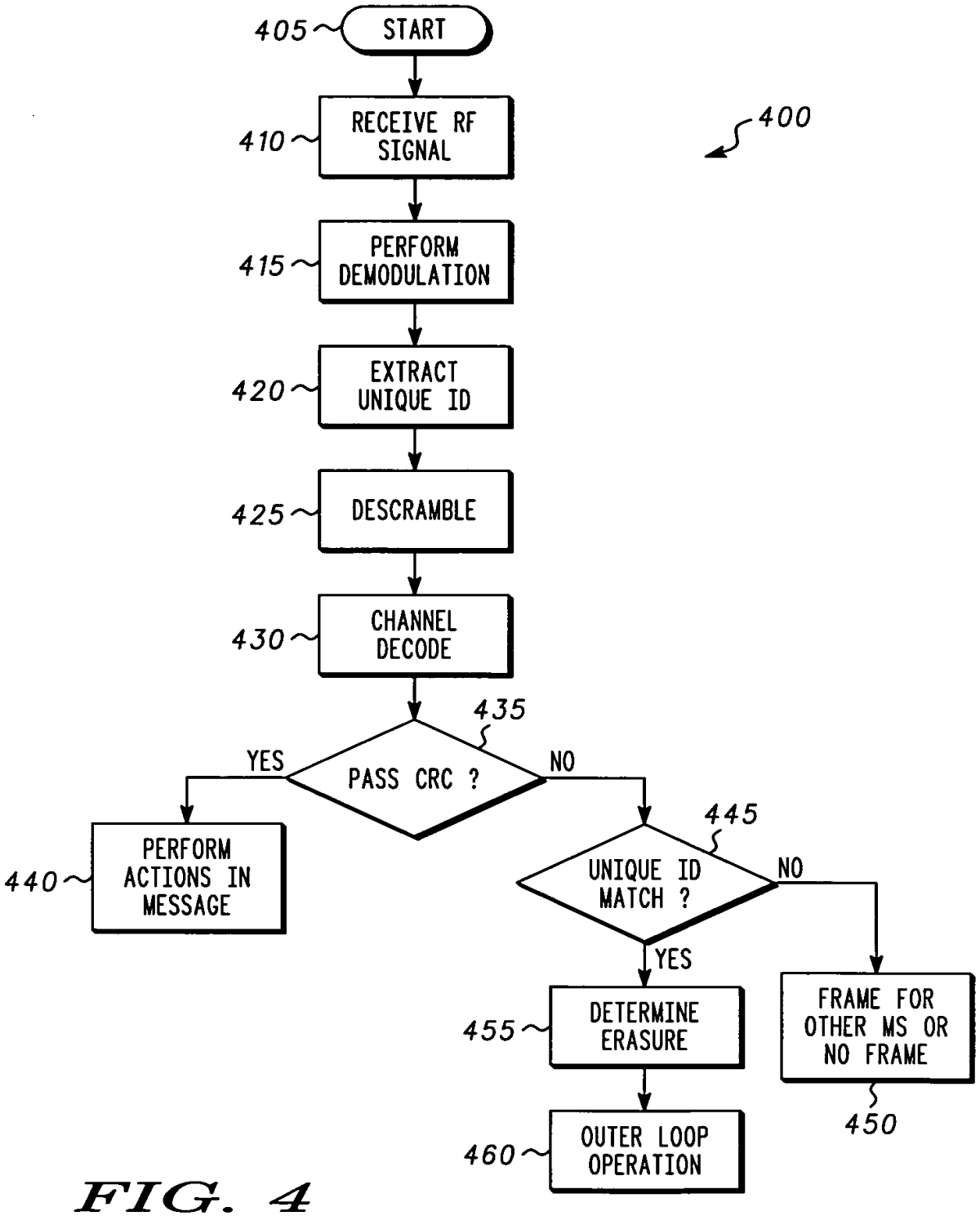
405
START
410
RECEIVE RF SIGNAL
400
415
PERFORM DEMODULATION
420
EXTRACT UNIQUE ID
425
DESCRAMBLE
430
CHANNEL DECODE
435
PASS CRC ?
YES
NO
440
PERFORM ACTIONS IN MESSAGE
445
UNIQUE ID MATCH ?
NO
YES
455
DETERMINE ERASURE
460
OUTER LOOP OPERATION
FRAME FOR OTHER MS OR NO FRAME
450

FIG. 4

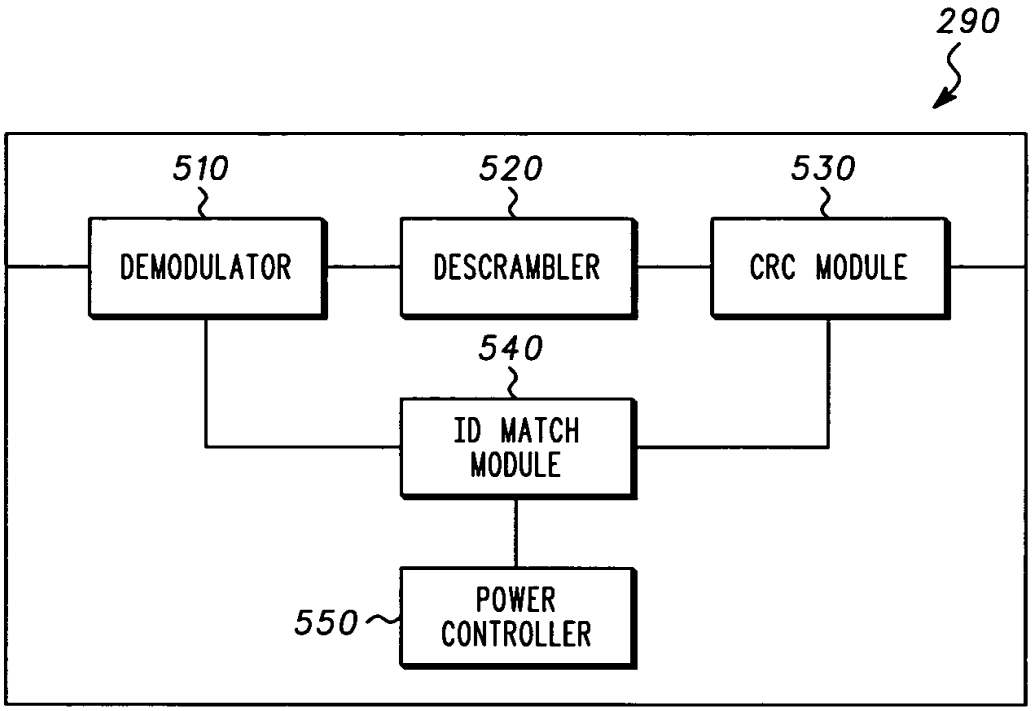
290
510
520
530
DEMODULATOR
DESCRAMBLER
CRC MODULE
540
ID MATCH MODULE
550
POWER CONTROLLER

FIG. 5

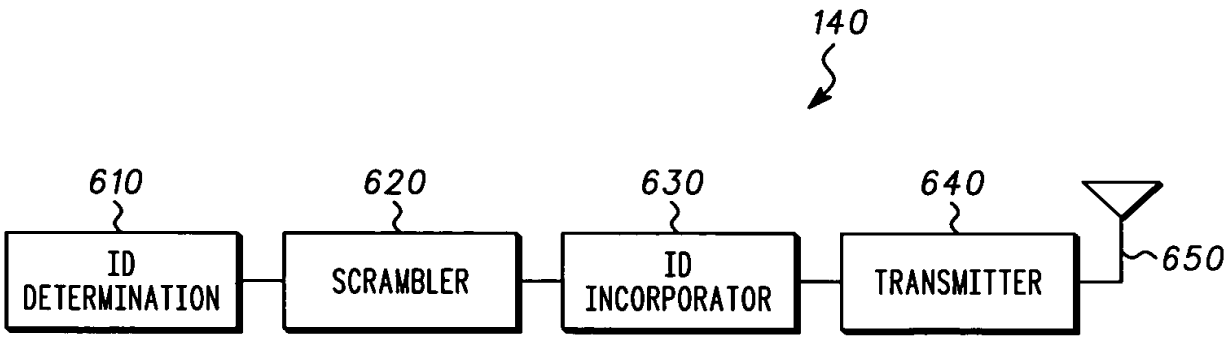
140
610
620
630
640
650
ID DETERMINATION
SCRAMBLER
ID INCORPORATOR
TRANSMITTER

FIG. 6